

Storm Data and Unusual Weather Phenomena - December 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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IOWA, Northeast

(IA-Z010) WINNESHIEK, (IA-Z011) ALLAMAKEE, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

12/03/10 13:00 CST	0	Heavy Snow
12/04/10 10:45 CST	0	

A low pressure system moved across the Central Plains states in the early afternoon hours of December 3rd through the morning hours of December 4th. Light snow began in the early afternoon hours of December 3rd and increased in intensity during the late afternoon hours. The snow produced a swath of six to eight inches of accumulation across parts of northeast Iowa. Volunteer cooperative observers reported snowfall amounts of 8.2 inches four miles southeast of Lansing (Allamakee County) and eight miles east northeast of Decorah (Winneshiek County), 8 inches at Elkader (Clayton County) and 7.4 inches at Fayette (Fayette County).

(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z011) ALLAMAKEE, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

12/10/10 23:08 CST	37K	Blizzard
12/12/10 08:00 CST	0	

A powerful low pressure system tracked across the Upper Midwest and Great Lakes region during the evening hours of December 10th into the morning hours of December 12th. This brought heavy snow and blizzard conditions across portions of northeast Iowa. At least one indirect injury occurred in a car accident that was the result of slippery conditions after the storm. Volunteer cooperative observers measured snowfall amounts of 12 inches at Waukon (Allamakee County), 9.5 inches near Cresco (Howard County) and at Decorah (Winneshiek County), 8 inches at St. Ansgar (Mitchell County) and 7 inches at Ionia (Chickasaw County). In addition to the heavy snow, sustained wind speeds of 25 to 30 miles per hour with gusts up to 50 miles per hour caused whiteout conditions, widespread road closures, stranded motorists and power outages.

(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

12/20/10 08:00 CST	0	Winter Weather
12/21/10 03:00 CST	0	

(IA-Z011) ALLAMAKEE

12/20/10 11:00 CST	0	Winter Storm
12/21/10 03:00 CST	0	

Snow started falling across northeast Iowa during the morning of the 20th and continued into the evening hours before ending. Once the snow ended, it was replaced by freezing drizzle which created a light coating of glaze on the fresh snow and exposed surfaces. The snow resulted in several car accidents, but no injuries were reported from the accidents. Snowfall totals generally ranged from 4 to 5 inches with ice accumulations around an eighth of an inch. The highest reported snow totals were 7 inches at Waukon and 6.9 inches at Postville (Allamakee County).

(IA-Z008) MITCHELL, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

12/23/10 20:00 CST	39K	Winter Storm
12/25/10 00:00 CST	0	

Snow starting falling across northeast Iowa during the evening of the 23rd and continued through much of the 24th before ending. Most of the accumulating snow had ended by the early afternoon of the 24th. Snowfall accumulations showed a large range, from 4 inches across Howard and Winneshiek Counties, up to 10 inches for portions of Chickasaw County. The highest reported total was 10.5 inches at North Washington (Chickasaw County). The weight of all the accumulated snow that fell during the month caused the roof of a building to collapse in Oelwein (Fayette County).

(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z011) ALLAMAKEE, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

12/29/10 09:30 CST	0	Dense Fog
12/31/10 18:45 CST	0	

Fog develop across northeast Iowa and reduced the visibility to less than mile for an extended period starting on the 29th and continuing through much of the 30th. The fog lingered well into the 31st along the Mississippi River. During this period, an extended period of dense fog with visibilities of a quarter mile or less occurred. As an area of low pressure moved across the Midwest, warm air spread over the region and caused the deep snow pack to begin melting which resulted in the formation of the fog.

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MINNESOTA, Southeast

(MN-Z079) WABASHA, (MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

12/03/10 13:00 CST	0	Heavy Snow
12/04/10 09:30 CST	0	

A low pressure system moved across the Central Plains states in the early afternoon hours of December 3rd through the morning hours of December 4th. Light snow began in the early afternoon hours of December 3rd and increased in intensity during the late afternoon hours. The snow produced a swath of six to ten inches of accumulation across portions of southeast Minnesota. Volunteer cooperative observers reported snowfall amounts of 9.6 inches at Lanesboro (Fillmore County), 9.5 inches five miles east of Houston (Houston County) and 9 inches at Oronoco (Olmsted County) and Goodview (Winona County).

(MN-Z079) WABASHA, (MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

12/11/10 06:00 CST	0	Winter Storm
12/11/10 15:00 CST	0	

(MN-Z079) WABASHA, (MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

12/11/10 12:00 CST	0	Blizzard
12/12/10 08:00 CST	0	

A powerful low pressure system tracked across the Upper Midwest and Great Lakes region during the evening hours of December 10th into the morning hours of December 12th. This brought heavy snow and blizzard conditions across southeast Minnesota. Volunteer cooperative observers measured snowfall amounts of 23 inches at Winona Lock and Dam 5A (Winona County), 21 inches three miles south of Winona (Winona County), 17 inches one mile west of Reads Landing (Wabasha County), 16 inches near the Rochester airport (Olmsted County) and 12 inches at Mantorville (Dodge County). In addition to the heavy snow, sustained wind speeds of 25 to 30 miles per hour with gusts up to 50 miles per hour caused whiteout conditions, widespread road closures and stranded motorists.

(MN-Z079) WABASHA, (MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE

12/20/10 09:00 CST	17K	Winter Storm
12/21/10 04:00 CST	0	

(MN-Z096) HOUSTON

12/20/10 11:00 CST	0	Winter Weather
12/21/10 03:00 CST	0	

Snow started falling across southeast Minnesota during the morning of the 20th and continued into the evening hours before ending. Once the snow ended, it was replaced by freezing drizzle which created a light coating of glaze on the fresh snow and exposed surfaces. The weight of the snow caused two roofs to collapse in Winona County. The debris blocked a railroad track and trapped numerous cattle, killing one. Snowfall totals generally ranged from 4 to 6 inches with ice accumulations around an eighth of an inch. The highest reported snow totals were 8 inches at Grand Meadow (Mower County) and 7.5 inches at Harmony (Fillmore County).

(MN-Z079) WABASHA, (MN-Z094) MOWER

12/23/10 21:00 CST	0	Winter Storm
12/25/10 03:00 CST	0	

Snow starting falling across southeast Minnesota during the evening of the 23rd and continued through much of the 24th before ending. Most of the accumulating snow had ended by the early afternoon of the 24th. Snowfall accumulations generally ranged from 4 to 6 inches across all of southeast Minnesota. The highest reported total was 7.6 inches at Theilman (Wabasha County).

(MN-Z079) WABASHA, (MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

12/29/10 12:00 CST	10K	Dense Fog
12/30/10 20:30 CST	0	

(MN-Z088) WINONA, (MN-Z095) FILLMORE, (MN-Z096) HOUSTON

12/31/10 16:45 CST	0	Winter Weather
12/31/10 18:00 CST	0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Fog develop across southeast Minnesota and reduced the visibility to less than mile for an extended period starting on the 29th and continuing through much of the 30th. One person was killed in a car accident on U.S. Highway 63 in Mower County. During this period, an extended period of dense fog with visibilities of a quarter mile or less occurred. A brief period of freezing drizzle also occurred during the late afternoon of the 31st creating a glaze of ice on exposed surfaces. As an area of low pressure moved across the Midwest, warm air spread over the region and caused the deep snow pack to begin melting which resulted in the formation of the fog.

WISCONSIN, Southwest

(WI-Z032) BUFFALO, (WI-Z033) TREMPLEAU, (WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z053) VERNON, (WI-Z054) CRAWFORD, (WI-Z055) RICHLAND, (WI-Z061) GRANT

12/03/10 16:00 CST	0	Heavy Snow
12/04/10 10:45 CST	0	

A low pressure system moved across the Central Plains states in the early afternoon hours of December 3rd through the morning hours of December 4th. Light snow began in the late afternoon hours of December 3rd and increased in intensity during the evening hours. The snow produced a swath of six to ten inches of accumulation across portions of southwest Wisconsin. Volunteer cooperative observers reported snowfall amounts of 10.5 inches at Sinsinawa (Grant County), 9.5 inches near De Soto (Vernon County), 7.5 inches at Lynxville (Crawford County) and 6.8 inches at Galesville (Trempealeau County).

(WI-Z017) TAYLOR, (WI-Z029) CLARK, (WI-Z032) BUFFALO, (WI-Z033) TREMPLEAU, (WI-Z034) JACKSON, (WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z043) JUNEAU, (WI-Z044) ADAMS, (WI-Z053) VERNON, (WI-Z055) RICHLAND

12/10/10 23:00 CST	0	Winter Storm
12/12/10 07:00 CST	0	

(WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z043) JUNEAU, (WI-Z044) ADAMS, (WI-Z053) VERNON, (WI-Z054) CRAWFORD, (WI-Z055) RICHLAND, (WI-Z061) GRANT

12/11/10 13:08 CST	0	Blizzard
12/12/10 08:00 CST	0	

A powerful low pressure system tracked across the Upper Midwest and Great Lakes region during the evening hours of December 10th into the morning hours of December 12th. An indirect fatality occurred near the town of Goodrich (Taylor County), when a man died from injuries sustained from plowing snow at his home. This storm brought heavy snow and blizzard conditions across portions of western and central Wisconsin. Volunteer cooperative observers measured snowfall amounts of 20.8 inches near Warrens (Monroe County), 20.5 inches at Medford (Taylor County), 20.2 inches near Holmen (La Crosse County), 19.9 inches at Friendship (Adams County) and 19.2 inches at Black River Falls (Jackson County). In addition to the heavy snow, sustained wind speeds of 25 to 30 miles per hour with gusts up to 50 miles per hour caused whiteout conditions, widespread road closures, stranded motorists and power outages.

(WI-Z029) CLARK, (WI-Z034) JACKSON, (WI-Z043) JUNEAU, (WI-Z053) VERNON, (WI-Z054) CRAWFORD, (WI-Z055) RICHLAND, (WI-Z061) GRANT

12/20/10 11:00 CST	0.30K	Winter Weather
12/22/10 00:00 CST	0	

Snow started falling across western Wisconsin during the morning and afternoon of the 20th and continued into the late evening of the 20th and early morning of the 21st before ending. Once the snow ended, it was replaced by freezing drizzle which created a light coating of glaze on the fresh snow and exposed surfaces. Several minor accidents resulted from the icy conditions. Snowfall totals generally ranged from 2 to 5 inches with ice accumulations around an eighth of an inch. The highest reported snow totals were 5.9 inches near De Soto (Vernon County) and 5.5 inches at Sinsinawa (Grant County).

(WI-Z054) CRAWFORD

12/24/10 00:15 CST	2K	Winter Weather
12/25/10 01:00 CST	0	

(WI-Z061) GRANT

12/24/10 00:15 CST	0	Winter Storm
12/25/10 01:00 CST	0	

Snow starting falling across western Wisconsin during the early morning of the 24th and continued through much of the 24th before ending early on the 25th. Most of the accumulating snow had ended by the early afternoon of the 24th. Snowfall accumulations generally ranged from 4 to 6 inches across the extreme western part of Wisconsin. The highest reported total was 6.9 inches northwest of Cuba City (Grant County). The snow created slippery conditions that led to a few car accidents.

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(WI-Z017) TAYLOR, (WI-Z032) BUFFALO, (WI-Z033) TREMPLEAU, (WI-Z034) JACKSON, (WI-Z041) LA CROSSE, (WI-Z042) MONROE, (WI-Z061) GRANT				
	12/29/10 15:00 CST		0.34M	Winter Weather
	12/31/10 21:30 CST		0	
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(WI-Z029) CLARK, (WI-Z043) JUNEAU, (WI-Z044) ADAMS, (WI-Z053) VERNON, (WI-Z054) CRAWFORD, (WI-Z055) RICHLAND				
	12/29/10 16:00 CST		0	Dense Fog
	12/31/10 21:30 CST		0	

Fog develop across western and central Wisconsin and reduced the visibility to less than mile for an extended period starting on the 29th and continuing through much of the 31st. During this period, an extended period of dense fog with visibilities of a quarter mile or less occurred. Some freezing drizzle also occurred during the evening of 31st, creating a glaze of ice on area roads that resulted in several accidents in and around La Crosse (La Crosse County). Ten people were transported to area hospitals, but none of the injuries were considered to be life-threatening. The weight of all the accumulated snow that fell during the month of December, caused the roof a building to collapse in West Salem (La Crosse County) on the 31st. The building was later declared a total loss and will be razed.